

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-24. (Canceled)

25. (Previously presented) A method for assaying multiple target analytes in a sample, wherein said method comprises:

(A) providing a plurality of solid supports, wherein for each of said multiple target analytes to be assayed, a solid support is provided which comprises a bound binding ligand capable of specifically binding to a corresponding target analyte;

(B) incubating said sample in the presence of said supports under conditions sufficient to permit binding between multiple sets of binding ligands and corresponding target analytes in a single reaction vessel, wherein for at least one target analyte, the ability to bind binding ligand of a support is hindered by a steric interference that does not hinder the binding of other target analyte(s) to other binding ligand(s), and, for at least one other target analyte, the ability to bind binding ligand of a support is unhindered;

(C) determining, for each of said multiple target analytes to be assayed, the presence, absence, activity or concentration of such target analyte, by determining the extent of binding between said target analyte and said solid-support-bound binding ligand of said target analyte.

26. (Previously presented) A method for assaying multiple target analytes in a sample, wherein said method comprises:

(A) providing a plurality of solid supports, wherein for each of said multiple target analytes to be assayed, a solid support is provided which comprises a bound binding ligand capable of specifically binding to a corresponding target analyte;

(B) incubating said sample in the presence of said supports under conditions sufficient to permit binding between multiple sets of binding ligands and corresponding target analytes in a single reaction vessel, wherein for at least one target analyte, the support is porous and binding ligand is bound to such porous support within the pores of said support and said pores sterically interfere with the ability of binding ligand to bind to target analyte; and, for at least one other target analytes, the ability to bind binding ligand of a support is unhindered;

(C) determining, for each of said multiple target analytes to be assayed, the presence, absence, activity or concentration of such target analyte, by determining the extent of binding between said target analyte and said solid-support-bound binding ligand of said target analyte.

27. (Previously presented) The method of claim 25, wherein said steric interference is provided by said solid support.

28. (Previously presented) The method of claim 25, wherein said determination of the extent of binding between a binding ligand of said solid support and its corresponding target analyte comprises incubating said solid support in the presence of a detectably labeled binding ligand-binding molecule and determining the presence, absence, or concentration of detectably labeled binding ligand-binding bound to said solid-support-bound binding ligand of said target analyte.

29. (Previously presented) The method of claim 28, wherein said detectable label of said detectably labeled binding ligand-binding molecule is a fluorescent label.

30. (Previously presented) The method of claim 25, wherein said determination of the presence, absence, activity or concentration of said multiple target analytes is determined using flow cytometry.

31. (Previously presented) The method of claim 26, wherein said steric interference is provided by said solid support.

32. (Previously presented) The method of claim 26, wherein said support is controlled pore glass or a porous polymeric material.

33. (Previously presented) The method of claim 26, wherein said determination of the extent of binding between a binding ligand of said solid support and its corresponding target analyte comprises incubating said solid support in the presence of a detectably labeled binding ligand-binding molecule and determining the presence, absence, or concentration of detectably labeled binding ligand-binding bound to said solid-support-bound binding ligand of said target analyte.

34. (Previously presented) The method of claim 12, wherein said detectable label of said detectably labeled binding ligand-binding molecule is a fluorescent label.

35. (Previously presented) The method of claim 26, wherein said determination of the presence, absence, activity or concentration of said multiple target analytes is determined using flow cytometry.